



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

JAN 11 2017

REPLY TO THE ATTENTION OF:

AE-18J

Via Email and Regular Mail

Steven M. Wesloh
Frost Brown Todd LLC
3300 Great American Tower
301 East Fourth Street
Cincinnati OH 45202-4182

Re: AK Steel Corporation – Middletown Works
Consent Agreement and Final Order, Docket No. CAA-05-2016-0030
EPA Approval of SEP Recommendations

Dear Mr. Wesloh:

Thank you for your November 29, 2016, submittal of the report entitled, *Emission Control System Evaluation and Computational Fluid Dynamic Modeling Report* ("Report"), prepared by SNC Lavalin America, along with AK Steel Corporation's ("AK Steel's") statement that it agrees with both of the recommendations contained in Section 5.0 of the Report, viz.:

1. Closing the gap between the coke guide and the hood to create a seal—e.g., by the use of stainless steel brushes installed on the coke guide; and
2. Replacing the existing hood with a hood identical to the hood modeled in the Report, to increase the capture efficiency of the hood by approximately 26%.

Pursuant to Appendix A, Condition 4, of the above-referenced Consent Agreement and Final Order (CAFO), EPA by this letter approves both of the recommendations contained in the Report. Pursuant to Appendix A, Condition 6, of the CAFO, AK Steel should fully implement both of the recommendations contained in the Report no later than eight months from the date of this letter. Pursuant to paragraph 50 of the CAFO, AK Steel should submit a SEP completion report within 60 days of its implementation of both recommendations.

Please note that this approval is contingent upon AK Steel's compliance with the monetary parameters delineated in paragraph 45 of the CAFO; to this end, please submit a summary of total projected SEP cost information to EPA within 30 days of your receipt of this letter. EPA

believes that the implementation of the two proposed SEP projects, in conjunction with AK Steel's running of four fans at its baghouse—as the facility typically does during normal operation—will significantly benefit the community surrounding AK Steel's Middletown facility.

Sincerely,

A handwritten signature in black ink, appearing to read "Sara J. Breneman". The signature is written in a cursive, flowing style.

Sara J. Breneman

Chief

Air Enforcement and Compliance Assurance Branch
Air and Radiation Division